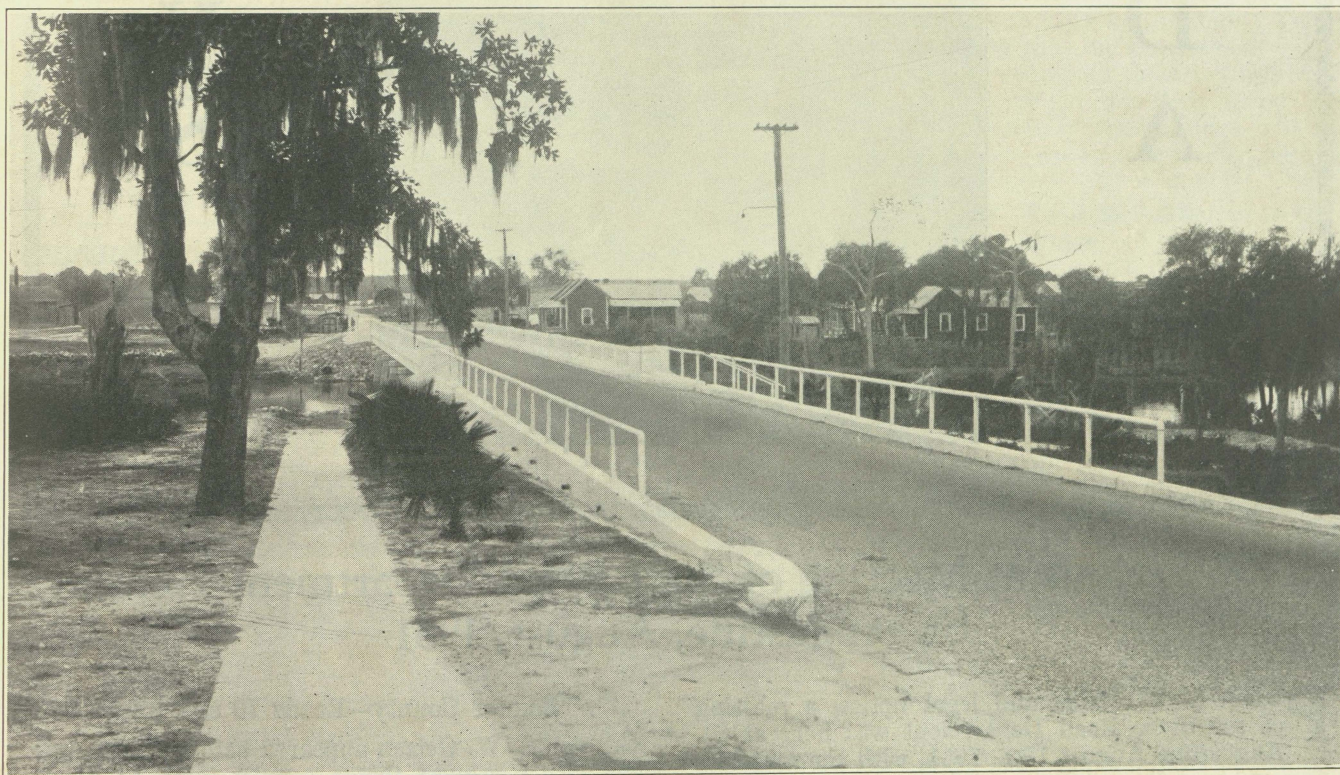


# FLORIDA HIGHWAYS

Official Bulletin of the State Road Department

Vol. VIII

No. 8



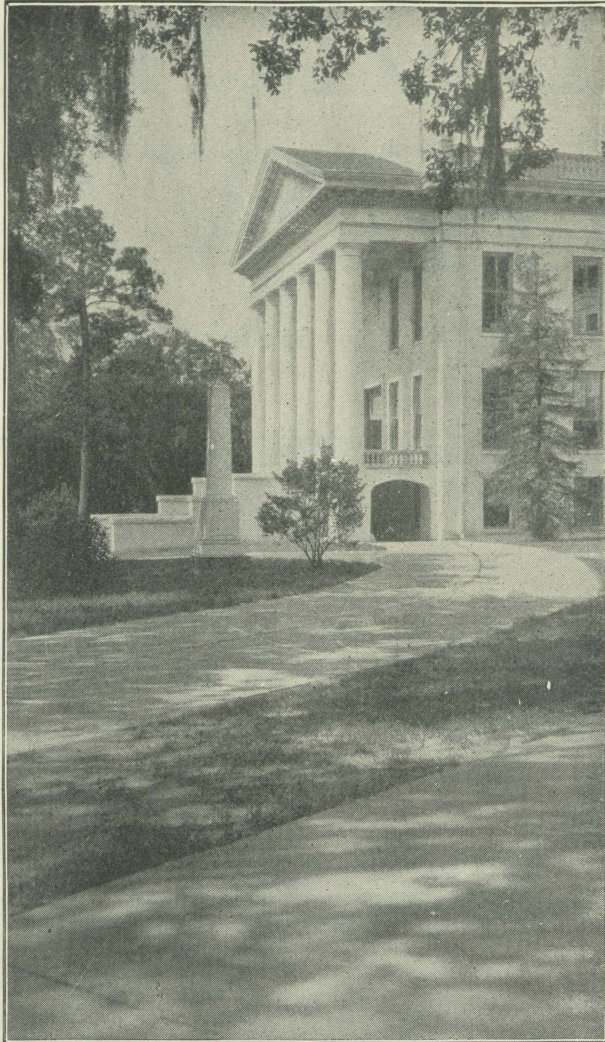
Road 5, Withlacoochee River Bridge at Dunnellon

August, 1931



# F L O R I D A

Vol. VIII  
No. 8



# H I G H W A Y S

AUGUST  
1931

## Transactions at Meeting of State Road Department Held at St. Augustine, August, 1931

**P**URSUANT to due and legal notice, a meeting of the State Road Department was held at St. Augustine, August 12th, 1931, with the members present, as follows: Robert W. Bentley, Chairman, William A. Shands, H. H. Wells, Ernest R. Graham and George B. Hills. H. J. Morrison, Federal Highway Engineer, B. M. Duncan, State Highway Engineer, L. K. Cannon, Assistant State Highway Engineer, Karl Roesch, Secretary, and B. A. Meginniss, Attorney for the Department, were also in attendance.

Mr. E. Noble Calhoun, City Attorney of St. Augustine, extended a welcome to the members of the Department on behalf of the City of St. Augustine and of the Chamber of Commerce of St. Johns County and St. Augustine. The Chairman made response on behalf of the Department.

### Minutes Approved

On motion of Mr. Shands, seconded by Mr. Wells, the minutes of the meeting held at Clearwater Beach, July 8th, were duly approved.

### Sumter County—Roads 70 and 23

Senator S. W. Getzen appeared before the Department with a request that a convict camp be placed on the construction of that part of Road 70 between Coleman and Webster. Senator Getzen also requested that the Department take steps to complete the bridges on State Road 23.

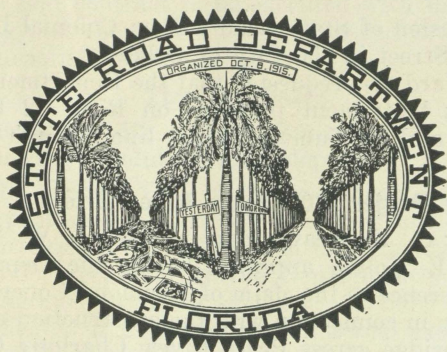
### Brevard County—Project 71

Mr. Albert Vorkeller, City Manager of Melbourne, and Senator J. J. Parrish requested the Department to widen 371 lineal feet of the fill approach to the south end of Project 71 in Melbourne.

### Dade and Monroe Counties—Road 4-A

Mr. Cecil Turner, County Commissioner, and Mr. R. B. Barfield of Dade County, together with Mr. F. M. Ladd of Key West appeared before the Department and requested that a committee, to consist of a member of the State Road Department and an engineer, be appointed to look over the proposition





# Florida Highways

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## PERSONNEL OF DEPARTMENT

ROBERT W. BENTLEY (*Bradenton*), *Chairman*  
(*Official Residence, Tallahassee.*)

W. A. SHANDS, <i>Gainesville</i>	}	<i>Members</i>
H. H. WELLS, <i>Chipley</i>		
GEORGE B. HILLS, <i>Jacksonville</i>		
ERNEST R. GRAHAM, <i>Pennsuco</i>		
KARL ROESCH, <i>Tallahassee, Secretary</i>		

## PERSONNEL OF EMPLOYEES IN GENERAL CHARGE OF THE WORK OF THE DEPARTMENT

### Engineering Division

B. M. Duncan, Tallahassee.....	State Highway Engineer
L. K. Cannon, Tallahassee.....	Ass't. State Highway Engineer
W. I. Nolen, Tallahassee.....	Bridge Engineer
H. C. Weathers, Gainesville.....	Testing Engineer
F. W. Berry, Jr., Tallahassee.....	Office Engineer
W. L. Thorpe, Gainesville.....	Supt. of Equipment
E. K. Fogg, Pensacola.....	1st Division
Counties—Bay, Calhoun, Escambia, Franklin, Gadsden, Gulf, Holmes, Jackson, Jefferson, Leon, Liberty, Okaloosa, Santa Rosa, Wakulla, Walton, Washington.	
M. P. Philips, Jacksonville.....	2nd Division
Counties—Baker, Bradford, Clay, Columbia, Dixie, Duval, Hamilton, Lafayette, Madison, Nassau, St. Johns, Suwannee, Taylor, Union.	
R. L. Bow, West Palm Beach.....	3rd Division
Counties—Brevard, Broward, Collier, Dade, Glades, Hendry, Indian River, Lee, Martin, Monroe, Okeechobee, Palm Beach, St. Lucie.	
L. B. Thrasher, Ocala.....	4th Division
Counties—Alachua, Citrus, Flagler, Gilchrist, Hernando, Lake, Levy, Marion, Orange, Putnam, Seminole, Sumter, Volusia.	
R. K. Van Camp, Lakeland.....	5th Division
Counties—Charlotte, DeSoto, Hardee, Highlands, Hillsborough, Manatee, Osceola, Pasco, Pinellas, Polk, Sarasota.	

### Auditing Division

S. L. Walters, Tallahassee.....	Auditor
B. A. Meginniss, Attorney for the Department, Editor and Business Manager.	

Application has been made for transmission through the mails as second class matter.

Volume VIII      August, 1931      Number 8

of George J. Rosenthal looking to the completion of certain links in the International Highway between Key West and Miami.

### Highlands County—Road 8

Dr. E. J. Etheridge of Sebring headed a delegation from Highlands, Glades and Polk Counties which requested that the State Road Department reconstruct or make passable that portion of State Road 8 in Highlands County.

### Jefferson County—Road 19

Senator S. D. Clarke, Messrs. G. C. Mills, Chairman of the Board of County Commissioners, and W. H. Walker and R. J. Taylor of Jefferson County appeared before the Department and requested that a resolution be adopted by the Department committing itself to the completion of the paving of Road 19 in Jefferson County as soon as funds are available for any contracts. It was pointed out that the Department is under contract to complete this road, having accepted funds of Jefferson County which were used in the grading of same.

### Leon County—Road 19

Mr. Guyte P. McCord of Tallahassee again presented to the Department a request from the County Commissioners of Leon County that the Department enter into a contract with said county to construct a bridge over the Ochlockonee River on Road 19, using for that purpose \$40,000 of county funds which will be lent to the Department and are to be returned within one year.

### Okeechobee County—Road 29—Kissimmee River Bridge

Mr. Peter Tomasello of Okeechobee County presented to the Department a proposition that it consider the advantage of using the steel bridge which belongs to the City of Okeechobee in the construction of a bridge across the Kissimmee River on Road 29. Mr. Tomasello stated that he believed that the city would sell this steel span to the Department at a price which would be to the advantage of said Department.

Mr. Tomasello also suggested that in the hard-surfacing of Road 29 that the Department adopt surface-treated lime rock base as the type.

### Levy County—Road 5

Senator J. W. Turner, Mr. Shelton Phillips and others representing Levy County requested that the Department let an early contract for the completion of Road 5 in said county. This delegation suggested that a number of contractors would bid on this work with the understanding that they would receive no payment on same for a period of four or five months.

### Pinellas County

Mr. Karl B. O'Quinn, Clerk of the Circuit Court of Pinellas County, requested that the Department commence actual maintenance of the roads which have already been taken over for maintenance by the State. Mr. O'Quinn also requested that the Department take cognizance of the roads designated by the last Legislature, to the end that they may be included in the official road system of the State.

### Polk County—Road 2

Mr. Milton D. Wilson, Attorney for the Board of County Commissioners of Polk County, together with members of the Board and citizens of that county requested the letting of contracts for the construction of Road 2 in Polk County as soon as funds are available. They stated that they will procure the right



of way for said road from Bartow north when called for. Chairman Bentley declared that this is the first contract for which he will ask when the Department is in a position to let new contracts.

#### **St. Johns County—Road 47**

Mr. Frank Upchurch and members of the Board of County Commissioners of St. Johns County requested that additional forces be placed upon the maintenance of State Road 47 in said county. They also suggested that in pursuing its work the Department construct first the section from Julington Creek toward Spuds.

#### **St. Johns County—San Sebastian River Bridge**

Mr. Walter Pike, Secretary of the Chamber of Commerce of St. Augustine and St. Johns County, requested information as to the status of the San Sebastian River Bridge project on Road 4. He was informed that the matter is proceeding satisfactorily and that the Department expects to let the contract when it is in a position to let any further contracts.

#### **Duval County—Roads 47, 204 and 78**

Mr. W. P. Belote, Chairman of the Board of County Commissioners of Duval County, and other representatives of said county requested that the Department authorize a survey of that part of Road 47 in Duval County which was designated by the last Legislature, and also of State Road 204, known as the Gainesville Short Route. They also requested that the Department take over for maintenance that part of State Road 78 between Jacksonville and Jacksonville Beach.

#### **St. Lucie County—Road 162**

Mr. C. H. Edwards, Chairman, and Mr. R. R. Gladwin, member of the Board of County Commissioners of St. Lucie County, together with Senator A. W. Young, made request that the State Road Department complete the grading of Road 162 in said county, a distance of approximately eleven miles. They suggested that convicts be used for this purpose.

The same delegation stated that they are willing to cooperate in every way possible in relation to State Road 8.

#### **Nassau County—Road 13**

Judge H. J. Baker, County Attorney, and Mr. Russell A. Smith of Nassau County requested that the Department surface that part of State Road 13 between Callahan and Yulee.

#### **Volusia County—Road 19**

Messrs. Charles Burgman and A. P. Underhill of Daytona Beach and Mr. J. E. Walker of Ocala requested that the Department complete this year that section of Road 19 from Astor Ferry to Barberville.

#### **Seminole County—Road 3**

Senator J. J. Parrish and Mr. H. M. Papworth requested that the State Road Department speed its plans for the construction of Lake Monroe Bridge and the road into Sanford on State Road 3.

#### **Hernando County—Road 5**

A delegation from Hernando County requested that the Department make and maintain a connection between Roads 5 and 15 just north of Brooksville.

#### **Orange County—Road 2**

Mr. C. Fred Ward and the City Engineer of Orlando appeared before the Department to request that it make a definite arrangement with reference to

the extension of State Road 2 from Colonial Drive to Church Street in the City of Orlando.

Mr. Ward also requested that the Department enter upon its betterment program on Road 22 between Orlando and the Sumter County line through Winter Garden.

#### **Project 70—Peace River Bridge**

Judge O. K. Reaves and Messrs. J. W. Taussig and R. E. Colvin appeared before the Department with reference to the claim of Raymond Concrete Pile Company in connection with the construction of Project 70, bridge across Peace River, Charlotte County. They were requested to appear again in the afternoon session with reference to this matter.

#### **American Gas Accumulator Company**

Messrs. A. Y. Milam and W. A. Feitner appeared before the Department with reference to the contract of the American Gas Accumulator Company for the installation of lighthouse warning signs on State roads. They requested that the present contract be extended so as to include further installations, or be renewed for an additional term of ten years.

On motion of Mr. Shands, seconded by Mr. Graham, the Department was adjourned until two o'clock P. M.

#### **AFTERNOON SESSION—TWO O'CLOCK**

Present as at morning session.

#### **American Gas Accumulator Company**

On motion of Mr. Wells, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED, that, subject to the provisions contained as to option to cancel, the agreement between the American Gas Accumulator Company and the State Road Department shall be extended for a period of three years beyond the ten year term now provided for.

BE IT FURTHER RESOLVED, that the details of the extension of this contract be referred to the Chairman and Attorney for the Department for consummation on such terms as may be agreed upon between the parties.

#### **American Association of State Highway Officials**

On motion of Mr. Wells, seconded by Mr. Graham, the following resolution was adopted:

BE IT RESOLVED, that the Chairman and State Highway Engineer be and they are hereby designated and authorized to attend as representatives of this Department, the meeting of the American Association of State Highway Officials, to be held at Salt Lake City in September.

#### **Award of Contract for Tires**

On motion of Mr. Wells, seconded by Mr. Shands, the following resolution was adopted:

WHEREAS, this Department on August 10th received bids for the furnishing of its tire requirements for the six months beginning September 1, 1931; and

WHEREAS, India Tire and Rubber Company was and is hereby declared to be the lowest responsible bidder therefor, at the approximate sum of \$9,505.05,

NOW, THEREFORE, BE IT RESOLVED, that contract be and the same is hereby awarded to the said India Tire and Rubber Company for the furnishing of the tire requirements of this Department for the period of six months beginning September 1, 1931, in accordance with their bid submitted there-



for, the said contract to be executed with the understanding that the same may be cancelled if said tires prove unsatisfactory.

#### **Tire Purchases**

On motion of Mr. Hills, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED that the testing engineer of this Department be directed to secure full specifications for tires as offered by each manufacturer whose product is acceptable by the Department's list, and that a detailed study of such specifications be made, supplemented if necessary, by an actual examination of the product and by such information as may be available through the National Rubber Institute, to the end that this Department may be furnished a list of brands of tires which are actually comparable in value.

#### **State Road No. 23—Sumter County Bridges**

The Department considered the request presented at the morning session, that the bridges on State Road 23 be constructed. It was the consensus of opinion that the Department is not in financial position to undertake this work at this time.

#### **Rearrangement of Divisions**

On motion of Mr. Graham, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED, that the Engineering Divisions of the State be rearranged so that the same shall correspond with the Congressional Districts of the State, provided, however, that there shall be two divisions in the Fourth Congressional District, the dividing line between the same to be at the north county line of Brevard county.

BE IT FURTHER RESOLVED, that this rearrangement shall take effect November 1, 1931.

#### **Project 70—Peace River Bridge**

The Department took up for consideration the matter of the claim of Raymond Concrete Pile Company, growing out of the construction of the Peace River Bridge, and the representatives of the claimant were advised that the Department will meet them tomorrow morning at ten o'clock at the Seminole Hotel, Jacksonville, for further discussion and consideration of this matter.

#### **Maintenance Budget for Remainder of 1931**

On motion of Mr. Hills, seconded by Mr. Graham, the following resolution was adopted:

WHEREAS, it appears that the anticipated revenues to this Department for the remainder of the year 1931 will be materially reduced,

NOW, THEREFORE, BE IT RESOLVED, that the Budget of Maintenance and Betterments for the remainder of said year be reduced to the sum of \$800,000.00.

#### **Use of State Convicts**

The Department entered into a discussion of its ability to maintain and economically use state convicts in view of recent legislation. It was brought out in the discussion by Mr. Graham that the Department's records show that the average cost of each convict is \$1.75 per day, and he stated that the efficiency of a convict is only fifty per cent of that of free labor; that the cost to the State, therefore, of convict labor on roads is actually \$3.50 per day. He stated that free labor can be secured at a cost of \$1.75

per day, which would leave an equal sum to maintain and support the convicts in the stockades.

On motion of Mr. Hills, seconded by Mr. Graham, the following resolution was adopted:

BE IT RESOLVED, that the Chairman be and he is hereby authorized and directed to take steps immediately to ascertain if the Department can return to the State Prison Farm a number up to 500 convicts. That if the same can be done, that he take steps to return said convicts, and that the money thereby saved to the Department be applied to securing and paying free labor.

#### **Lubricating Oils**

Mr. T. N. Coleman of Jacksonville, representing Seminole Petroleum Products, a Florida corporation, appeared before the Department in the interest of reclaimed lubricating oil. He desired that the Department authorize him to ship a quantity to the testing laboratory for test, and if found satisfactory that he then be given a part of the State's business for his products. He stated that the price would be 35 cents per gallon.

On motion of Mr. Hills, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED, that this Department do purchase a supply of one barrel each of the two grades used by it; that the same be shipped to Gainesville and used in the Department's operations there, and that the Testing Engineer of this Department make a full and complete test in every particular of the efficiency of said oil.

#### **Project 71—Road 4—Melbourne**

On motion of Mr. Graham, seconded by Mr. Wells, the following resolution was adopted:

BE IT RESOLVED, that this Department do proceed to widen the 371 lineal feet of State Road 4 between Project 71 and Project 40-A, the same to be brought to a width of 30 feet.

#### **Road 4-A—Dade and Monroe Counties**

On motion of Mr. Hills, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED, that Mr. Graham, Member of this Department, together with the State Highway Engineer and the Attorney for this Department be appointed a committee to make an investigation of the proposition of Mr. George J. Rosenthal with respect to supplying a certain link or links in State Road 4-A between Miami and Key West and that they report their findings to the next meeting of the Department.

#### **Jefferson County—Road 19**

No formal action was taken on the request submitted this morning that the Department adopt a resolution committing itself to let a contract for the paving of State Road 19 in Jefferson county as the first contract to be awarded by the Department, but Mr. Shands, Member from the Second Congressional District, stated that this is the first project which he will request for paving when the Department is again in a position to let contracts.

#### **Leon County—Road 19—Ochlocknee River Bridge**

On motion of Mr. Wells, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED, that this Department do accept the proposition from Leon county to lend to



said Department the sum of \$40,000, to be repaid within one year from the execution of the contract, and to be used in the construction of the bridge across the Ochlocknee river on Road 19.

BE IT FURTHER RESOLVED, that the Chairman be and he is hereby authorized to advertise for bids for the construction of the said bridge when said sum of \$40,000 has been made available.

BE IT FURTHER RESOLVED, that the Chairman be and he is hereby authorized to enter into formal contract with the Board of County Commissioners of Leon County to carry out the purposes and intent of this resolution, and of the law authorizing said contract.

#### **Levy County—Road 5**

The members took up for consideration the request submitted at the morning session by representatives of Levy county, that the paving of State Road 5 in said county be undertaken immediately. The Chairman was requested to secure from Levy County a written proposition in line with statements made this morning as to securing bids on a basis of payment some months after the contract has been let, and that said Chairman be requested to submit the same at the next meeting of the Department.

#### **Road 29—Okeechobee County**

The Engineer of the Department was requested to investigate the feasibility and desirability of using the steel span belonging to the City of Okeechobee in the construction of a bridge across Kissimmee river on Road 29, and to report his findings to the Department at its next meeting.

#### **Nassau County—Road 13**

No official action was taken on the request of representatives of Nassau county looking to the paving of State Road 13 between Callahan and Yulee.

#### **Duval County—Roads 47 and 204**

On motion of Mr. Hills, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED, that the Engineer of this Department do proceed to make survey and prepare plans and estimates on State Road 47 from State Road 78 to the intersection of Julington Creek bridge, and also of State Road 204 known as the Gainesville Short Route.

#### **Volusia County—Road 19**

On motion of Mr. Hills, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED, that the Engineer of this Department be directed to make a survey of that part of State Road 19 between Astor Bridge and Barberville; and

BE IT FURTHER RESOLVED, that the Board of County Commissioners of Volusia County be requested to secure the right of way for said road on the location which shall be developed and determined by said survey.

#### **Orange County—Road 2—Orlando**

On motion of Mr. Graham, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED, that the State Highway Engineer be directed to make an estimate of the cost of a surface treated lime rock base on State Road 2 in Orlando between Colonial Drive and Church Street.

#### **Orange County—Road 22**

On motion of Mr. Graham, seconded by Mr. Hills, the following resolution was adopted:

BE IT RESOLVED, that the State Highway Engineer be directed to prepare plans for the betterment of State Road 22 in Orange County between Orlando and the Sumter County Line.

BE IT FURTHER RESOLVED, that the Chairman be authorized to advertise for bids for the betterment of said road, returnable at the November meeting, with the understanding, however, that no work is to be commenced before December 15, 1931.

#### **Road 149—Broward County**

A letter from Messrs. Hall & English, Attorneys for Fort Lauderdale-Middle River Reclamation District, was presented to the Department, in which the Department was requested to grant a permit to said Fort Lauderdale-Middle River Reclamation District to construct, operate and maintain a spillway or flood control gate at the western end of the concrete box culvert under the highway at a point approximately fifty (50) feet north of the quarter section corner on the range line between Section 24, Township 49 South, Range 41 East, and Section 19, Township 49 South, Range 42 East.

On motion of Mr. Graham, seconded by Mr. Wells, the following resolution was adopted:

WHEREAS, the Board of Supervisors of Fort Lauderdale-Middle River Reclamation District has made application to this Department for a permit to construct, maintain and operate a spillway or flood gate for the controlling of water, the location of said spillway or flood gate to be at the westerly end of the culvert crossing under State Road 149 at a point approximately fifty (50) feet north of the quarter section post on the range line between Section 24, Township 49 South, Range 41 East, and Section 19, Township 49 South, Range 42 East, in Broward County; and

WHEREAS, in the opinion of the members of this Department the construction, maintenance and operation of said proposed spillway or flood gate will not disadvantageously affect the drainage of said State Road No. 149;

NOW, THEREFORE BE IT RESOLVED that the State Road Department issues this permit to the Board of Supervisors of Fort Lauderdale-Middle River Reclamation District for the construction, maintenance and operation of a substantial spillway or flood gate of such design and capacity as the Board of Supervisors may determine, and subject to the approval of the Engineer of this Department, and equipped with flash boards and other device for the regulation of the flow of water through same, location of which shall be as above described; all subject to the following conditions:

(1) That this permit insofar as the State Road Department is concerned shall be limited to and construed to be a consent upon the part of the said Department to the construction, maintenance and operation of said spillway or floodgate.

(2) That the State Road Department assumes no responsibility for the construction, maintenance or operation of said spillway or floodgate, nor any obligation of any kind or nature relating thereto nor any liability for the construction, maintenance or operation of the same nor for any damage which may result,



nor for any change in water conditions which may be caused by the construction, maintenance or operation of said spillway or floodgate.

(3) Fort Lauderdale-Middle River Reclamation District and the Board of Supervisors thereof, in accepting this permit do, and each of them does, hereby covenant and agree to protect and save harmless the State Road Department, and the members thereof, from and against all liability of any kind or nature whatsoever which may arise, or be asserted by, any person whomsoever by reason of the construction, maintenance and operation of said spillway or floodgate, and in the event that at any time any suit or action shall be instituted by any person against the State Road Department, or any member thereof, for damages or for injunction, or other relief, growing out of the construction, maintenance and operation of the said spillway or floodgate, Board of Supervisors of said Fort Lauderdale-Middle River Reclamation District will cause such suit or action to be defended at its own proper cost and expense and will save the State Road Department, and the members thereof, harmless against any judgment or decree which may be awarded in any such suit or action.

(4) This permit shall convey no property rights of any description whatsoever.

(5) This permit shall become effective upon its execution by the State Road Department through the signature of its Chairman, attested by its Secretary, under its seal, and its execution by the Board of Supervisors of Fort Lauderdale-Middle River Reclamation District, by which execution the said Board of Supervisors shall agree to and bind itself to all of the conditions of this permit.

(6) This permit is granted with the express understanding that the State Road Department does not thereby assume any responsibility for the adequacy of the drainage system provided in the construction of said State Road No. 149 by the County of Broward.

This permit executed in duplicate upon this — day of August, A. D. 1931, by the State Road Department, and by the Board of Supervisors of Fort Lauderdale-Middle River Reclamation District.

STATE ROAD DEPARTMENT OF FLORIDA

By .....  
Chairman

ATTEST:

.....  
Secretary

BOARD OF SUPERVISORS OF FORT LAUDERDALE-MIDDLE RIVER RECLAMATION DISTRICT

By .....

ATTEST .....

**Project 78-B—Road 4—Broward County**

Mr. Hills submitted to the members a request from the Fort Lauderdale Florida Gas Company asking permission to replace their 4-inch gas main across the New Dania Bridge.

On motion of Mr. Graham, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED that the Division Engineer for the Third Division be authorized to make a satisfactory arrangement with the Fort Lauderdale Florida Gas Company to carry its 4-inch gas main across the Dania Canal, without, however, permitting the same to be affixed or attached to the bridge.

**Martin County—Road 4—Stuart**

On motion of Mr. Graham, seconded by Mr. Hills, the following resolution was adopted:

BE IT RESOLVED that the State Highway Engineer prepare plans for the making of a connection between State Roads 140 and 4 in the City of Stuart, Martin County.

**Project 893—Osceola County—Road 30**

On motion of Mr. Graham, seconded by Mr. Hills, the following resolution was adopted:

BE IT RESOLVED that the contract between this Department and Foulk & Coleman for oiling on Project 893, Road 30, Osceola County be extended for a distance of two miles.

BE IT FURTHER RESOLVED that the Chairman be and he is hereby authorized to advertise at once for the necessary materials for the remaining eight miles of said road.

**Superintendent of Equipment (Field)**

On motion of Mr. Graham, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED that W. F. Reed be designated and employed as Superintendent of Equipment in the Field, at the salary fixed for said position in the Appropriation Bill, to wit: the sum of \$3600 per annum.

On the question of the adoption of this resolution Mr. Bentley voted "no".

The Chairman in explanation of his vote, stated he had no objection to Mr. Reed, as he had done good work, but felt that it was out of line to give a substantial increase to one man at a time when heavy cuts in wages were being made throughout the Department.

**Okaloosa County—Road 10—Garnier's Bayou Ferry**

On motion of Mr. Wells, seconded by Mr. Graham, the following resolution was adopted:

BE IT RESOLVED that operation of the ferry across Garnier's Bayou on Road 10, Okaloosa County, be suspended each morning between the hours of midnight and six o'clock A. M.

**Marion County—Road 2**

Mr. J. E. Walker, County Engineer of Marion County, presented to the members a request for an opening in State Road 2 at Station 348 plus 86, the same to be put in as a relief canal from Lake Weir north to Tiger Dam to take care of the high water condition which now exists in Lake Weir. Mr. Walker submitted with the request a plan showing the location and cross-section of the proposed canal.

On motion of Mr. Shands, seconded by Mr. Hills, the following resolution was adopted:

BE IT RESOLVED that the Department do construct a timber bridge at the location and along the line submitted in the request of Marion County, at Station 348 plus 86, Project 520, Road 2, Marion County.



**Road 80—Clay and Alachua Counties**

On motion of Mr. Shands, seconded by Mr. Wells, the following resolution was adopted:

BE IT RESOLVED that a convict crew be placed upon the grading of State Road 80 between Keystone Heights and Melrose.

**Employees Authorized**

On motion of Mr. Shands, seconded by Mr. Hills, the following resolution was adopted:

BE IT RESOLVED: That S. L. Walters be employed and designated as Chief Accountant, at a salary of \$315.00 per month; that F. W. Berry, Jr., be designated and employed as Assistant Engineer in charge of office, at a salary of \$315.00 per month; that H. C. Weathers be designated and employed as Chief of Division of Materials, at a salary of \$315.00 per month; and that W. L. Thorpe be designated and employed as Assistant Superintendent of Equipment, at a salary of \$250.00 per month; said salaries to be effective from August 1, 1931, subject to due approval by the State Budget Commission.

**Road 29—Clewiston to Moore Haven**

Mr. Hills submitted to the members a letter from the Okeechobee Flood Control District requesting that Road 29 between Clewiston and Moore Haven be placed in a better condition.

On motion of Mr. Hills, seconded by Mr. Graham, the following resolution was adopted:

BE IT RESOLVED that the Maintenance Engineer be, and he is, hereby authorized to take such steps as are necessary to place and keep in passable condition that section of State Road 29 between Clewiston and Moore Haven.

**Agreements with Railroad Companies**

Upon motion of Mr. Hills, seconded by Mr. Graham, the following resolution was unanimously adopted:

WHEREAS, heretofore it has been necessary for the State Road Department of Florida from time to time to enter into contracts and agreements with Florida East Coast Railway Company, Atlantic Coast Line Railroad Company, Southern Railway, Seaboard Air Line Railway Company, Louisville & Nashville Railroad Company and other railroad companies operating in the State of Florida, for the use by State Road Department of parts of the right of way and land of said railroad companies (1) for storage of materials, (2) for erection of temporary dams to divert water, (3) for temporary drains and culverts, (4) for installation upon the right of way of said railroad companies at various points of permanent culverts and drains, (5) use of right of way of said railroad companies for temporary road detour during improvement of existing state highway, or construction of new state highway which necessitates existing highway be vacated during progress of new work, and (6) use of right of way or land of said railroad companies for temporary location of road material mixing plant requiring erection of heating boiler, and also necessitating forces of the State Road Department working on the railroad companies' property in the operation of the plant; and

WHEREAS, in the completion of roads and bridges and in the building of new roads and bridges by this State Road Department, it will be necessary

hereafter from time to time for State Road Department to enter into similar contracts and agreements with said railroad companies, which contracts will be of an emergency nature and cannot be presented to the members of this department at regular or called meetings of said State Road Department without undue delay to the projects and work of this State Road Department,

NOW, THEREFORE, BE IT RESOLVED by the members of the State Road Department of Florida that the Chairman of the said Road Department together with the secretary, be and they hereby are authorized and directed to execute and deliver for and on behalf of the State Road Department of Florida, all contracts and agreements with said railroad companies as may from time to time be necessary for the securing and obtaining by said State Road Department of special privileges and concessions and leases from said railroad companies (1) for storage of materials, (2) for erection of temporary dams to divert water, (3) for temporary drains and culverts, (4) for installation upon the right of way of the said railroad companies at various points of permanent culverts and drains, (5) use of right of way of said railroad companies for temporary road detour during improvement of existing state highway, or construction of new state highway which necessitates existing highway be vacated during progress of new work, and (6) use of right of way or land of said railroad companies for temporary location of road material mixing plant requiring erection of heating boiler, and also necessitating forces of the State Road Department working on the railroad companies' property in the operation of the plant.

This resolution and the authority hereby conferred shall remain in full force and effect until expressly repealed by the majority of the members of the State Road Department.

**State Road 35—Madison County**

On motion of Mr. Shands, seconded by Mr. Graham, the following resolution was adopted:

BE IT RESOLVED that Florida stone be used in the surface treatment of Road 35, Madison county, between Greenville and the Taylor county line.

**Resolution of Thanks**

On motion of Mr. Hills, seconded by Mr. Graham, the following resolution was adopted:

BE IT RESOLVED that this Department does hereby express to the City of St. Augustine and the county of St. Johns and to the Chamber of Commerce of St. Augustine and St. Johns county its thanks for the many courtesies extended to the members of the Department, which have made the present meeting so delightful.

BE IT FURTHER RESOLVED that the Secretary of this Department be directed to transmit a copy of this resolution to the organizations above mentioned.

**Adjournment**

On motion of Mr. Shands, seconded by Mr. Hills, the following resolution was adopted:

BE IT RESOLVED that this Department do now adjourn to meet again tomorrow morning at ten o'clock at the Seminole Hotel in Jacksonville.



# Transactions at Adjourned Meeting of State Road Department Held at Jacksonville, August 13, 1931

**P**URSUANT to adjournment from the meeting at St. Augustine the State Road Department met at the Seminole Hotel at Jacksonville on Thursday, August 13, 1931, with the same members and officials present as at St. Augustine, with the exception of H. J. Morrison, Federal Highway Engineer, who did not attend this adjourned meeting.

## Freight Rate Increase

Mr. Frank E. Harrison, Traffic Manager for the Department, stated to the Department that an increase of fifteen per cent in the rate on commodities in which the Department is interested is in prospect, and asked instructions from the Department as to its attitude with respect to same.

On motion of Mr. Shands, seconded by Mr. Hills, the following resolution was adopted:

BE IT RESOLVED that this Department do leave the matter of the proposed increase in freight rates to the Railroad Commission of the State and take no part in the discussion relative to the same.

BE IT FURTHER RESOLVED that the Traffic Manager of this Department be requested to attend such meetings as shall be held on the subject of this increase, for the purpose of gathering information useful to the Department.

## September Meeting

On motion of Mr. Shands, seconded by Mr. Hills, the following resolution was adopted:

BE IT RESOLVED that when the Department adjourns today it adjourn to meet in Tallahassee in Quarterly Session on Tuesday, September 15th.

## Project 70—Peace River Bridge

Judge O. K. Reaves, Attorney, and Messrs. J. W. Taussig and R. E. Colvin again presented to the Department the claims of Raymond Concrete Pile Company in connection with the construction of the Peace River Bridge, Project 70, Road 5, Charlotte County, which claims aggregate \$96,223.55. The State Highway Engineer submitted a preliminary report as to his position on the several items in the claim, and requested the members to indicate their attitude with reference to an allowance on account of delays which occurred during the controversy between the contractor and the Department. The members stated that in their judgment the contractor would be entitled to a proper allowance to cover the cost to the contractor of such delays. The matter was then fully discussed by the members, and on motion of Mr. Shands, seconded by Mr. Hills, the following resolution was adopted:

BE IT RESOLVED, that this Department do allow and pay to Raymond Concrete Pile Company the amounts set up in its items numbered two (2) and three (3), which are as follows, to-wit:

<b>ITEM NO. 2</b> Extra expense for period between June 13th and July 23rd, 1930, inclusive, during which time all operations were stopped awaiting results of pile tests, etc., causing an extension of the normal completion date 41 days:			
Rentals .....	\$5,759.13		
Labor .....	8,967.57		
General Expenses .....	4,899.09	\$19,625.79	

## ITEM NO. 3 Extra Cost resulting from:

An extension of completion date for casting piles of 52 days made up as follows: Complete shut-down of Casting Yard from May 21st to June 12th—23 days, from July 24th to August 7th—15 days and 14 days required to cast replacement piles.

Under-production of driving piles from May 8th to June 12th inclusive, and from July 24th to Oct. 3rd inclusive, causing an extension of time required to drive piles of 52 days.

Under-production of pile driving produced a corresponding under-production of caps and slabs over an equivalent period.

This extra cost resulted from testing and handling piles in determining their suitability for use.

Extension of completion time for these separate operations resulted in an extension of 52 days to the normal completion date.

Overhead .....	\$ 9,433.36		
Equipment .....	23,502.02		
Labor .....	6,048.23		
Material .....	1,350.66	\$40,334.27	

BE IT FURTHER RESOLVED that all other items in said claim, except such as have been heretofore paid or recognized as correct by the State Highway Engineer, be and the same are hereby denied.

BE IT FURTHER RESOLVED that this resolution is contingent upon the contractor accepting the same as payment in full of all claims against the State and/or the State Road Department.

Messrs. Reaves and Taussig thereupon announced to the Department that Raymond Concrete Pile Company would accept as full settlement of all claims the allowances set out and indicated in the foregoing resolution.

## Road 29—Glades County

The Chairman submitted to the members a letter from the Chairman of the Board of County Commissioners of Glades county requesting that the State Road Department commence the construction of State Road 29 between Indian Prairie canal and the intersection of Roads 29 and 67 at Wise's Corner, and also the construction of a bridge over Fish Eating Creek. It was the sense of the members that the Department has no funds which it can apply to this purpose at this time.

## Project 70—Road 5—Approaches to Peace River Bridge

On motion of Mr. Bentley, seconded by Mr. Shands, the following resolution was adopted:

WHEREAS, this Department has surveyed and located the approaches to the Peace River Bridge on Road No. 5, Charlotte county, north of said bridge, known as Project 70, as shown by plat of said location on file in its office, and in the office of the Clerk of the Circuit Court of said Charlotte county; and

WHEREAS, this Department has found and determined, and does hereby find and determine, that it is necessary, wise and expedient to secure by eminent domain the lands as shown upon said plat as necessary for a right of way for said approaches;

NOW, THEREFORE, BE IT RESOLVED that the County Commissioners of Charlotte County be and they are hereby requested to secure by purchase or condemnation all the lands shown and described



upon said plat, a print of which is hereto attached and made a part hereof as completely as if incorporated herein in full;

BE IT FURTHER RESOLVED that said Board of County Commissioners be and they are hereby authorized to use the name of this Department in any condemnation proceedings necessary to carry out the purposes of this resolution, or to proceed in their own name as they may decide;

BE IT FURTHER RESOLVED that in the event that they decide to proceed in the name of this Department that their attorney be and he is hereby authorized to prepare, execute and file all necessary pleadings, affidavits and documents in connection therewith, and to prosecute such action to completion.

#### **National Highway Advertising Company**

The members took up for consideration the request submitted some months ago by National Highway Advertising Company for an exclusive franchise for the erection and maintenance of towers to carry signs and advertising on the highways of the state.

On motion of Mr. Shands, seconded by Mr. Wells, the following resolution was adopted:

BE IT RESOLVED that the application of National Highway Advertising Company, heretofore submitted to the Department, be and the same is hereby denied.

#### **Project 77—Road 1—Jackson and Washington Counties**

On motion of Mr. Wells, seconded by Mr. Hills, the following resolution was adopted:

WHEREAS, this Department has surveyed and located State Road No. 1 between Cottdale and Chipley as shown by a plat of said location on file in its office and in the offices of the Clerks of the Circuit Court of Jackson and Washington Counties; and

WHEREAS, this Department has found and determined and does hereby find and determine that it is necessary, wise and expedient to secure by eminent domain the lands hereinafter described as a right of way for drainage ditches to be used in the necessary and proper drainage of said road;

NOW, THEREFORE, BE IT RESOLVED that the Chairman and Attorney of this Department be and they are hereby authorized to secure by purchase or condemnation the following described lands, to-wit:

A ditch to be dug in a northerly direction from Station 1441+92 on the property under trusteeship of E. C. Welch:

Beginning at southwest corner of Section 36 T 5 N, R 12 W, thence north along west line of said section 2041 feet, more or less, to the center line of State Road No. 1; thence along said center line of said State Road No. 1 north 83° 40' east 2809 feet to a point of beginning; thence a strip of land 36 feet wide being and lying 18 feet each side of and measured at right angles to a line running south 7° 45' east 2800 feet; thence a strip of land 40 feet wide lying and being 20 feet each side of and measured at right angles to a line running due south 1487 feet; thence a strip of land 40 feet wide lying and being 20 feet each side of and measured at right angles to a line running south 9° 00' west 1000 feet and containing four and six-tenths (4.6) acres, and lying in Sec-

tions 36, T 5 N, R 12 W, and 1 T 4 N, R 12 W, county of Jackson, State of Florida.

A proposed ditch to be dug in a southerly and westerly direction from Survey Station 1303+16 on property of D. F. Cox:

Beginning at the southwest corner of Section 33, T 5 N, R 12 W, thence north along west line of said section 243 feet, more or less, to the center line of State Road No. 1; thence north 83° 40' east along said center line of said State Road No. 1 5208 feet; thence south 33 feet to the south right of way line of said State Road No. 1 and a point of beginning; thence a strip of land 26 feet wide lying along and measured 13 feet at right angles to each side of the following described line south 39° 10' east 110 feet; thence south 4° 45' east 228 feet; thence south 39° 30' west 147 feet; thence south 75° 00' west 177 feet; thence south 60° 00' west 98 feet; thence south 2° 10' east 75 feet; thence south 53° 00' west 101 feet; thence north 64° 10' west 67 feet; thence north 30° 10' west 61 feet; thence north 81° 40' west 237 feet; thence south 63° 45' west 231 feet; thence north 48° 45' west 720 feet, more or less, to the south right of way line of State Road No. 1, and containing one and thirty-five hundredths (1.35) acres, and lying in Section 33, T 5 N, R 12 W, county of Jackson, State of Florida.

A proposed ditch to be dug in a northerly direction from Survey Station 1288+22 on property of D. F. Cox:

Beginning at the southwest corner of Section 33, T 5 N, R 12 W, thence north along west line of said section 243 feet, more or less, to the center line of State Road No. 1; thence north 83° 30' east along said center line of said State Road No. 1 3780 feet; thence north 33 feet, more or less, to north right of way line of said State Road No. 1, and a point of beginning; thence a strip of land 46 feet wide lying along and measured 23 feet at right angles to each side of the following described line north 9° 45' west 345 feet; thence north 42° 10' west 158 feet; thence north 38° 10' east 140 feet; thence north 25° 45' east 130 feet; thence north 62° 50' east 60 feet; thence north 12° 00' west 149 feet, more or less, to the south right of way line of the L. & N. R. R. Co., containing one (1) acre, more or less, and lying in Section 33, T 5 N, R 12 W, county of Jackson, State of Florida.

BE IT FURTHER RESOLVED that in the event that condemnation is necessary, that the said Chairman and Attorney, and such local counsel as the Attorney may associate, be and they are hereby authorized to prepare, execute and file all necessary pleadings, affidavits and documents in connection therewith and to prosecute such action to completion.

#### **Approval of Award of Contracts**

On motion of Mr. Shands, seconded by Mr. Hills, the following resolution was adopted:

WHEREAS, this Department on July 27, 1931 received bids for the furnishing of certain supplies as hereinafter listed; and

WHEREAS, the firms and individuals hereinafter named were and are hereby declared to be the lowest responsible bidders therefor,

NOW, THEREFORE, BE IT RESOLVED, that the action of the Chairman in awarding contracts for such supplies be and the same is hereby approved, which said contracts are as follows:



**Convict Supplies**

Meat	Armour & Company, Jacksonville	\$ 823.50
Meat	Cudahy Packing Company, Jacksonville	87.92
Meat	Wilson & Company, Jacksonville	981.95
Meat	Daylight Grocery Company, Jacksonville	183.92
Meat	Cudahy Packing Company, Pensacola	977.68
Groceries	C. W. Zaring, Jacksonville	1,077.94
Groceries	Hagin-Peters, Jacksonville	3,769.44
Groceries	Lewis-Bear Company, Pensacola	986.65

**Mule Feed**

Hay	H. E. Foust, Stewardson, Ill.	\$2,046.00
Hay	Hagin-Peters, Jacksonville	660.00
Grain	Hagin-Peters, Jacksonville	1,809.30
Grain	Lewis-Bear Company, Pensacola	2,123.88

**Expense Accounts Approved**

On motion of Mr. Bentley, seconded by Mr. Shands, the expense accounts of the members were approved, as follows:

George B. Hills	\$ 39.72
George B. Hills	93.83
Ernest R. Graham	126.40
Ernest R. Graham	77.56
Ernest R. Graham	162.22
Robert W. Bentley	33.25
William A. Shands	36.52
William A. Shands	33.05
William A. Shands	29.50
Harry H. Wells	75.26

**Convict Camp No. 2**

On motion of Mr. Graham, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED, that Convict Camp No. 2 be removed to Webster if the Department can legally commence construction of Road 70 between Coleman and Webster; and in the event that the Attorney for the Department shall advise that this can not be legally done, that said camp be then moved on State Road 23 in Sumter County.

**Tires**

The Chairman read to the members a letter from the United States Tire and Rubber Company protesting the award of contract for tires to India Tire and Rubber Company. No action was taken on this letter.

**State Road 30—Osceola County**

On motion of Mr. Graham, seconded by Mr. Shands, the following resolution was adopted:

BE IT RESOLVED that the Chairman and State Highway Engineer be and they are hereby authorized to take such steps as shall be necessary to keep the work going on State Road 30, Osceola County.

**Adjournment**

On motion of Mr. Shands, seconded by Mr. Graham, the Department was adjourned to meet at Tallahassee, September 15th.

## State Road Legislation Enacted by the Second Extraordinary Session of the Legislature for 1931

House Bill No. 72XX. Chapter 15784. Abandons and discontinues that part of State Road No. 26, beginning at or near Lake Annie in Highlands county and running south through Glades county via Moore Haven to Clewiston in Hendry county.

House Bill No. 220XX. Chapter 15785. Designates as a state road to be known as Holland's Highway, the following: Commencing at a point on State

Road 28 at the northeast corner of Section nine (9), Township Twelve (12) South, Range Twenty-nine (29) East, thence south three miles connecting with a road now constructed at Holland's Corner; thence along said road in a southerly direction eight miles to Orange Hammock, thence continuing south and southeast five miles, more or less, to connect with State Road 134, all in Flagler county.

### CONTRACTS AWARDED BY STATE ROAD DEPARTMENT

January 1st, 1931, to August 25th, 1931.  
FEDERAL PROJECTS

Proj.	Road	County	Contractor	Length Feet	Length Miles	Contract + 10%	Type
73-C	17	Polk	John J. Quinn, Inc.		5.22	\$ 165,480.74	Concrete
67	50	Suwannee-Hamilton	Austin Bros. Bridge Co.	461.5		51,993.04	Concrete
60-B	4	Flagler-Volusia	Fred D. Beasley, Inc.	570		107,566.27	Concrete
72-A	28	Putnam-Flagler	Murphy Const. Co.		11.16	92,685.56	Grade
72-C	28	Flagler	Murphy Const. Co.		11.79	121,426.15	Grade
76-A	5	Hillsborough	Johnson, Drake & Piper		10.31	374,163.81	Concrete
78-A	4	Broward	Morgan-Hill Paving Co.		6.28	287,639.15	Concrete
60-C	4	Volusia	Rutherford Const. Co.		8.70	365,848.01	Concrete
78-B	4	Broward	Dudley-Murphy Const. Co.	102		26,515.99	Concrete
77	1	Jackson-Washington	Van Gordon Const. Co.		9.66	240,915.52	Concrete
80	17	Hillsborough	John J. Quinn, Inc.		2.67	105,658.75	Concrete
81	14	Alachua	L. M. Gray		3.30	108,976.94	R.B.S.T.
83	5	Sarasota	E. F. Powers Const. Co.		9.20	262,421.37	R.B.S.T.
Sub Total				1,133.5	78.29	\$2,311,291.30	

STATE PROJECTS

Proj.	Road	County	Contractor	Length Feet	Length Miles	Contract + 10%	Type
879-B	1	Escambia	Soule Contracting Co.	64		\$ 9,895.62	Concrete
892	30	Indian River	Fred D. Beasley, Inc.		13.0	161,914.84	Rock Base
706-B	28	Putnam	T. B. Gillespie, Inc.		14.91	178,153.44	Rock Base
623	35	Madison	Manly Const. Co.		12.13	134,921.07	Rock Base
727	47	St. Johns	F. K. Webb & Associates		4.59	59,974.84	Rock Base
918	0	Gadsden	John E. Ballenger Const. Co.		1.49	31,474.31	R.B.S.T.
806-D	25	Hendry	Thomas Const. Co.	150		10,486.54	Timber
909-C	4-A	Dade	A. B. Curry Const. Co.		4.38	126,529.55	Concrete
952	3	Putnam	John E. Ballenger Const. Co.		.37	14,550.95	R.B.S.T.
710-D	17	Hillsborough	John J. Quinn Co., Inc.		.92	40,989.65	Concrete
Sub Total				214.0	51.79	\$ 760,890.81	
Grand Total				1,347.5	130.08	\$3,072,182.11	



# Status of Road Construction

Through July 31st, 1931.

Proj. No.	Contractor	Road No.	County	Total Length Miles	Clearing Miles	Grading Miles	Base Miles	Surface Miles	Type	Per Cent Complete
57	R. C. Huffman Const. Co.	3	Nassau-Duval	3.40	2.60	2.21			Grading	73.00
60-A	Convicts	4	Flagler-Volusia	11.76	6.14	3.68			Grading	35.00
60-C	Rutherford Const. Co.	4	Volusia	8.70	7.00	7.00		5.00	Concrete	69.00
72-A	Murphy Const. Co.	28	Putnam-Flagler	11.16	11.00	10.05			Grading	74.00
72-C	Murphy Const. Co.	28	Flagler	11.79	9.50	6.71			Grading	66.00
73-C	John J. Quinn Co., Inc.	17	Polk	5.22				5.22	Concrete	87.00
73-D	John J. Quinn Co., Inc.	17	Polk	9.92				9.92	Concrete	99.00
76-A	Johnson, Drake & Piper	5	Hillsborough	10.31	10.31	9.48		9.48	Concrete	85.00
77	Van Gordon Const. Co.	1	Wash'ton-Jackson	9.66				1.25	Concrete	15.00
78-A	Morgan-Hill Paving Co.	4	Broward	6.28	6.28	6.22		5.95	Concrete	83.00
80	John J. Quinn Co., Inc.	17	Hillsborough	2.67	2.67	2.67		2.32	Concrete	85.00
81	L. M. Gray	14	Alachua	3.30	3.30	2.50	.75	0.00	R.B.S.T.	45.00
83	E. F. Powers Const. Co.	5	Sarasota	9.20			7.36	0.00	R.B.S.T.	50.00
500-B	Marianna Lime Products Co.	20	Bay	12.65			12.65	12.00	R.B.S.T.	99.00
500-C	Marianna Lime Products Co.	20	Bay	12.18			12.18	8.09	R.B.S.T.	97.00
515	Marianna Lime Products Co.	20	Jackson	4.59			4.59	0.00	R.B.S.T.	88.00
535	Wm. P. McDonald Const. Co.	5-A	Lafayette	13.20			13.20	13.20	R.B.S.T.	100.00
623	Manley Construction Co.	35	Madison	12.13			12.13	0.00	R.B.S.T.	85.00
677-B	Langston Const. Co.	13	Levy	12.58			12.58	0.00	R.B.S.T.	95.00
706-B	T. B. Gillespie, Inc.	28	Putnam	14.91			14.91	2.00	R.B.S.T.	92.00
710-D	John J. Quinn Co., Inc.	17	Hillsborough	.92	.92	.80		0.00	Concrete	20.00
727	State Forces	47	St. Johns	6.00			6.00	0.00	R.B.S.T.	85.00
727	F. K. Webb and Associates	47	St. Johns	4.59	4.59	4.59	4.59	0.00	R.B.S.T.	85.00
779	Convicts	19	Liberty	8.00	5.50	4.50			Grading	49.00
793-C	Convicts	15	Citrus	6.45	3.50	.50			Grading	10.00
793-D	Convicts	15	Citrus	7.99	2.00	1.00			Grading	18.00
797	Convicts	13	Nassau	9.60	6.04	3.07			Grading	30.00
806-C	L. B. McLeod Const. Co.	25	Hendry	11.00			11.00	5.50	R.B.S.T.	93.00
806-D	L. B. McLeod Const. Co.	25	Hendry	12.69			12.69	6.00	R.B.S.T.	92.00
825	Convicts	88	Holmes	10.37	10.37	10.00			Grading	95.00
857	Convicts	53	Santa Rosa	20.00	20.00	17.00		2.00	Sand Asph	70.00
868-A	Convicts	5	Levy	7.05	7.05	6.04			Grading	95.00
868-C	Convicts	5	Levy	12.34	12.34	12.07			Grading	97.00
869	Reid W. Bryan	29	Glades	9.04	9.04	9.04			Grading	100.00
874	Convicts	49	Union	5.93	4.18	1.96			Grading	33.00
875	Convicts	23	Hernando	10.14	8.21	4.77			Grading	45.00
876-C	State Forces	78	Duval-St. Johns	19.15			19.15	2.87	R.B.S.T.	90.00
883	John E. Ballenger Const. Co.	4	Duval	6.02			6.02	6.02	Macasph.	100.00
892	Fred D. Beasley, Inc.	30	Indian River	13.00			3.77	0.00	R.B.S.T.	20.00
909-C	A. B. Curry Const. Co.	4-A	Dade	4.38	3.06	3.06		0.00	Concrete	10.00
918	John E. Ballenger Const. Co.		Gadsden	1.47	1.47	1.47	1.47	.75	R.B.S.T.	90.00
928	Convicts	15	Citrus	7.99	2.50	.50			Grading	10.00
Total complete June 30, 1931					3266.81	3205.58	1913.02	2722.71		
Complete month of July					27.00	25.70	7.99	33.21		
Total complete July 31st, 1931					3293.81	3231.28	1921.01	2755.92		

## TOTAL MILEAGE COMPLETE

	Concrete	Brick	B.C.	S.A.	B.M.	Asp.B.	S.T.R.B.	S.T.S.C.	Macasph.
Complete to June 30, 1931	406.10	21.63	54.26	114.61	109.57	23.70	1579.63	336.19	16.45
Complete month of July	12.27						9.93		.36
Complete to July 31st, 1931	418.37	21.63	54.26	114.61	109.57	23.70	1589.56	336.19	16.81
	Sand Asph.	Sand Clay	Marl	Total					
Complete to June 30, 1931	9.50	136.69	27.58	2835.91					
Complete month of July	14.00			36.56					
Complete to July 31st, 1931	23.50	136.69	27.58	2872.47					

# Status of Bridge Construction

Through July 31, 1931.

Project No.	Contractor	Road No.	County	Total Length Feet	Type	Percent Complete
60-B	Fred D. Beasley, Inc.	4	Flagler-Volusia	461.54	Concrete	42.38
66	R. C. Huffman Construction Co.	5	Sarasota	458.57	Concrete and Steel Span	95.00
67	Austin Bros. Bridge Co.	50	Hamilton-Suwannee	461.54	Concrete	90.00
70	Raymond Concrete Pile Co.	5	Charlotte	4377.12	Concrete Bascule Span	100.00
71	Okeechobee Construction Co.	4	Brevard	174.00	Concrete	76.00
75	National Surety Co.	27	Collier	561.31	Concrete and I Beam	44.00
78-B	Dudley-Murphy Const. Co.	4	Broward	102.00	Concrete Deck Girder	65.00
801-B	State Forces	102	Union-Bradford	714.50	Concrete	85.00
806-D	Thomas Construction Co.	25	Hendry	150.00	Creosoted Timber	100.00
879-B	Soule Contracting Co.	1	Escambia	64.00	Concrete	100.00
952	Powell Bros.	3	Putnam	365.00	Concrete and Steel Span	99.00